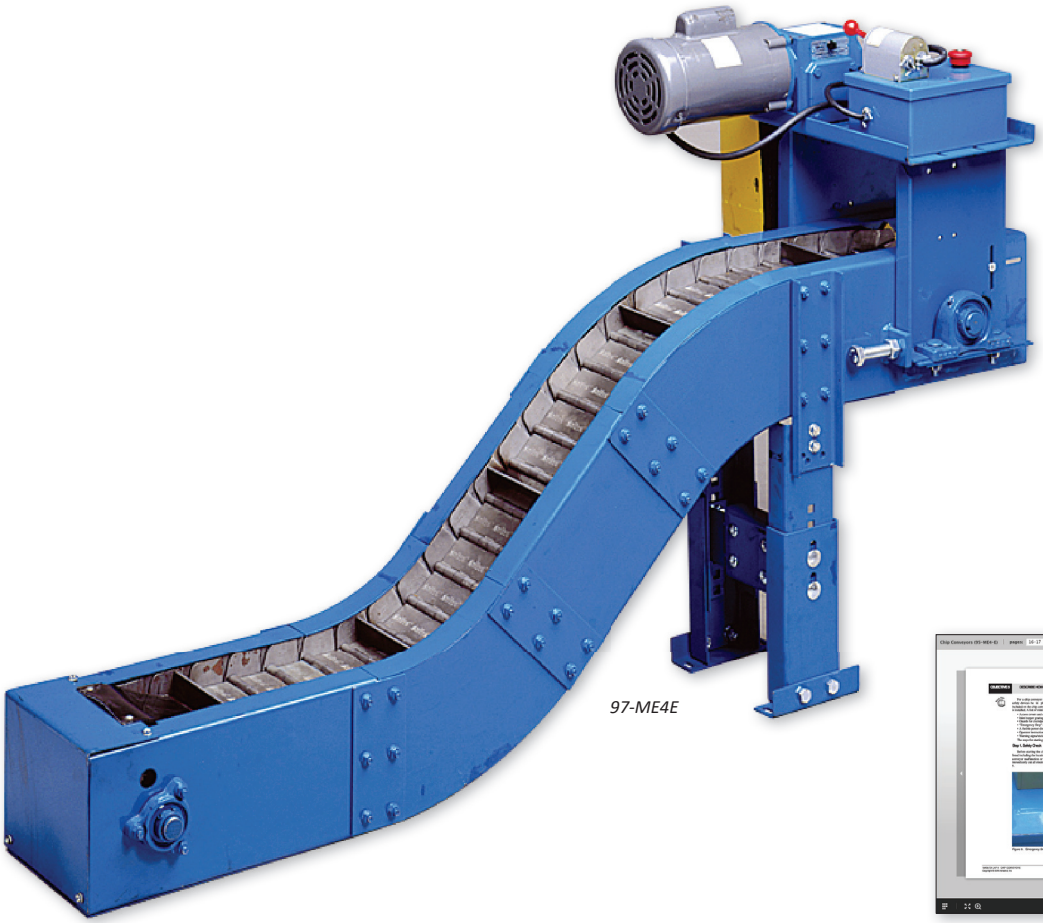
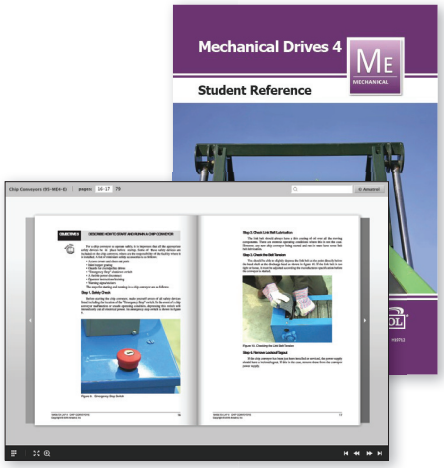
Machine Tool Chip Conveyor Learning System

97-ME4E

ME MECHANICAL



97-ME4E



Student Reference Guide and Optional eBook Curriculum

Learning Topics:

- Chip Conveyor Components
- Chip Conveyor Operation
- Chip Conveyor Installation
- Belt Removal
- Belt Installation
- Belt Adjustment
- Chip Conveyor Maintenance
- Chip Conveyor Cleaning
- Chip Conveyor Troubleshooting

Amatrol's Machine Tool Chip Conveyor Learning System (97-ME4E) adds to the 970-ME1 Mechanical Drives 1 Learning System to teach skills related to machine chip conveyors. Machine tool chip conveyors are used to carry away the metal chips produced by machine tools. They use heavy-duty steel link belts usually arranged in a serpentine shape. Students will learn industry-relevant skills related to this new topic including operation, installation, alignment, maintenance, and troubleshooting.

This Machine Tool Chip Conveyor Learning System features endless belt, manual start/stop control, electric motor drive, safety guards, and more! Learners will use these and other components to practice belt installation and operation, belt adjustment, metal link cleaning, belt removal and run-in, inspection, maintenance, and troubleshooting. Amatrol uses components that learners will find on-the-job in order to give the best opportunity to build confidence and industrial competencies.

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Technical Data

Complete technical specifications available upon request.

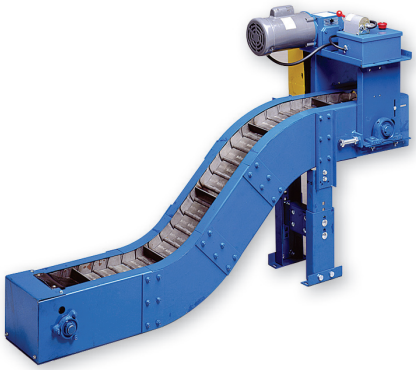
Hinged Belt Conveyor
- Serpentine design with 18-in elevation change
- Belt width: 6-in
- Belt pitch: 2.5-in
- Cleats: 1.5-in
- Overall length: 67.5-in
- Start/Stop control
- Safety guards
- Freestanding legs
- Bolt on bottom pan
- Electric motor drive 1/2Hp, with gear box and chain drive

Student Learning Activity Packet (B19161)
Instructor's Guide (C19161)
Install Guide (D19161)
Student Reference Guide (H19161)
Optional eBook (E19161)
Utilities:
- Electricity (115 VAC/50/60 Hz/1 Phase)

Additional Requirements
- Mechanical Drives 1 Learning System (970-ME1)

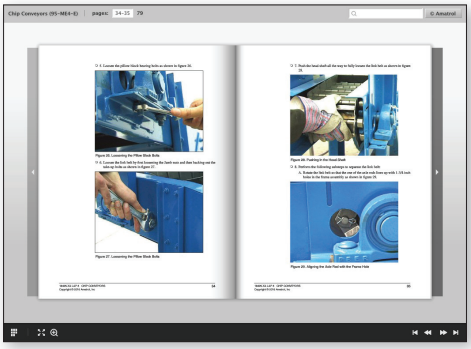
Real-World Training in Operation and Maintenance for Tool Chip Conveyors

The model 97-ME4E includes an operational floor-standing chip conveyor with an e-stop; student learning materials for both theory and lab, and teacher's guide. This system uses industrial quality components to withstand frequent student use. Learners will use these components to practice vital skills, such as: installing a chip conveyor, removing a link belt from a chip conveyor and then installing and adjusting it, performing preventative maintenance and cleaning a chip conveyor, and troubleshooting a chip conveyor.



World-Class Conveyor Adjustment and Inspection Curriculum and Hands-On Skills

This learning system includes Amatrol's world-class curriculum, which combines strong theoretical knowledge and concepts with hands-on skills for the best industrial competency-building on the market. This thorough, exceptionally detailed curriculum is built to begin with the basics and steadily advance to more complex concepts and skill. The 97-ME4E curriculum covers major objectives like the function of chip conveyors, basic components, the construction of a link belt, types of waste material carried by a chip conveyor, and more!



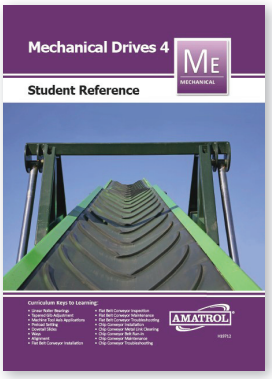
As an online option to printed curriculum, Amatrol's eBooks allow learners to use Amatrol's curriculum in an online environment. Enhanced with features like keyword searches and zoom controls, Amatrol's eBooks enable users to locate and view information with ease. Available online through Amatrol's Learning Management System (LMS), this comprehensive curriculum advances learners' understanding of concepts at the click of a button.

Multiple Expansion Systems for Mechanical Drives Training

In addition to Floor-Standing Belt Conveyors, the 970-ME1 can be expanded to train learners on V-belt drives, chain drives, synchronous belt drives, and coupling (97-ME2), bearings, seals, and gaskets (97-ME3), and clutches, brakes, and flywheels (97-ME4). Further, you can also add systems for Roller Pack machine Too Axis (97-ME4A) and Floor Standing Belt Conveyors (97-ME4D).

Student Reference Guide

A sample copy of the Mechanical Drives Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.



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